


APPROVED  
 Head of Physiology and  
 Pathophysiology Department  
 with course of Medical Biology  
 prof. V Harbuzova  
 \_\_\_\_\_ 2025.

**CALENDAR AND THEMATIC PLAN OF PRACTICAL LESSONS  
 ON PATHOPHYSIOLOGY**

**For 3rd year students of the educational and scientific Medical Institute of Sumy State University  
 For the fall semester of the 2025–2026 academic year  
 Specialties I2 "Medicine"**

| <b>№</b>   | <b>Lecture topics</b>   | <b>Hours</b> |
|------------|---|--------------|
| 1.         | The study of disease, general etiology and pathogenesis   | 2            |
| 2.         | Pathogenic effect of environmental factors on the body  | 2            |
| 3.         | The role of heredity, constitution and age factors in pathology                                     | 2            |
| 4.         | The role of reactivity in pathology. Violations of immunological reactivity                         | 2            |
| 5.         | Allergy   | 2            |
| <b>6.</b>  | <b>Summary lesson on the questions of the content module No. 1 "General nosology"</b>               | <b>2</b>     |
| 7.         | Violations of local blood circulation   | 2            |
| 8.         | Inflammation  | 2            |
| 9.         | Fever   | 2            |
| 10.        | Tumor growth  | 2            |
| <b>11.</b> | <b>Summary lesson on the questions of the content module No. 2 "Typical pathological processes"</b> | <b>2</b>     |
| 12.        | Violations of energy, fat and protein metabolism. Starvation  | 2            |
| 13.        | Violations of carbohydrate metabolism. Diabetes mellitus  | 2            |
| 14.        | Violations of water-salt metabolism   | 2            |
| 15.        | Violations of phosphorus-calcium metabolism   | 2            |
| 16.        | Violations of acid-base status  | 2            |
| <b>17.</b> | <b>Summary lesson on the questions of the content module No. 3 "Typical metabolic disorders"</b>    | <b>2</b>     |
| <b>18.</b> | <b>Final testing "Step-1"</b>   | <b>2</b>     |
|            | <b>TOTAL:</b>   | <b>36</b>    |